

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph at p. 124 line 24 to page ¹²⁵~~25~~, line 6 as follows:

The logic of PLA 650 is programmable, at least during initial manufacture. Reprogramming would alter the contents of columns 414, 416, 418, 610, 612 of table at FIG. 4b. Though the five-bit event codes generated by converter 136 are relatively fixed, the interpretation given to those bits, and whether to profile or probe on those events, is reconfigurable within PLA 650. In alternative embodiments, PLA 650 may be made programmable at run time, to control operation of profiling and probing by altering the contents of the columns of FIG. 4b. The five bits of input (event code latch 486, 487) to PLA 650 give $2^5=32$ possible inputs. There are nine bits of output (probeable event signals 660, 661, 662, 663, 664, 665, profileable event 416, initiate packet 418, and probeable event 610). Thus, PLA 650 could be replaced by a 32x9 ~~32x9~~ RAM, and the outputs of PLA 650 would then be completely software configurable. With that programmability, both profiling (section V, above) and probing (this section VI) become completely configurable. In a programmable embodiment, the overhead of profiling and probing can be controlled, and strategies can be adapted to experience.